



Coast Guard rescue training exercise off the coast of Atlantic City, New Jersey. Credit: U.S. Coast Guard

October 2015

Moon phases are Universal Time (UT)

NEW MOON

FIRST QUARTER

FULL MOON

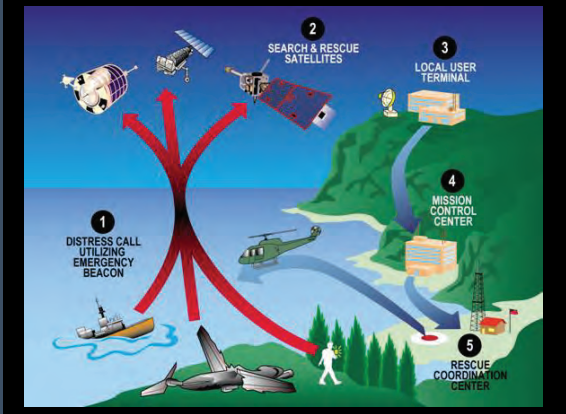
LAST QUARTER

SUNDAY								MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY															
SEPTEMBER								NOVEMBER																								1								2								3															
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								Columbus Day																																GOES-A launched, 1975																							
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Continuing a proud tradition

The GOES-R series will include dedicated Search and Rescue Satellite Aided Tracking (SARSAT) transponders to detect signals transmitted from emergency beacons on aircraft, maritime vessels, or carried by individuals in distress. The transponder provides constant coverage to immediately receive and relay a 406-MHz emergency beacon alert to ground stations called Local User Terminals. In turn, this signal is routed to a SARSAT Mission Control Center and then sent to the Rescue Coordination Center nearest the alert, which dispatches a search and rescue team to the location of the distress. The GOES-R series continues the legacy Geostationary SAR (GEOSAR) function of the SARSAT system carried on NOAA's GOES satellites since GOES-I (8). It has contributed to the rescue of thousands of individuals in distress in the United States and around the world.

Overview of the SARSAT system.



Credit: NOAA